

Updated on 10/01/2026

Sign Up

AI Finance Practitioner Training

2 days (14 hours)

Overview

Explore the applications of artificial intelligence in finance to analyze data, inform decisions, and improve operations. From machine learning to generative AI, discover how AI is used in credit analysis, fraud detection, and financial forecasting, as well as its synergies with blockchain.

Our AI and Finance Practitioner training will help you understand key technologies and select applications tailored to the challenges of the financial services industry.

You'll learn to assess data quality, interpret financial analyses, and examine how AI contributes to credit scoring, loan processing, and transaction monitoring.

By the end of the course, you will be able to compare stock market forecasting approaches, identify their limitations, and develop an AI adoption strategy that balances business benefits, operational integration, and change management.

This course also covers FinTech, emerging technologies, governance, and ethical frameworks. The workshops will allow you to put a responsible approach into practice, with a particular focus on risks and human oversight.

Like all our training programs, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Distinguish between the main AI technologies and their financial applications
- Assess data quality and interpret analyses to support financial decisions

- Analyze the uses of AI in credit, loan processing, and fraud detection
- Compare stock market forecasting approaches and recognize their limitations
- Examine the synergies between AI, blockchain, and FinTech innovations
- Develop an adoption roadmap that integrates governance, ethics, and resilience

Target Audience

- Financial Analyst
- Finance Manager
- Credit Analyst
- Risk and Fraud Manager
- FinTech Project Manager

Prerequisites

- Understanding of fundamental financial concepts and financial operations
- Interest in AI applications in the financial sector
- Willingness to explore ethical frameworks and the challenges of responsible AI use

Technical Requirements

- Laptop with 8 GB of RAM recommended for spreadsheet and browser exercises
- Up-to-date Chrome, Firefox, or Edge browser
- Microsoft Excel or LibreOffice Calc installed to work with the educational datasets
- Stable internet connection allowing access to educational resources and demonstrations
- No dedicated graphics card, virtual machine, or programming environment installation required

Curriculum for our AI Finance Practitioner Training

[Day 1 - Morning]

Introduction to AI and Its Impact on Finance

- Fundamentals of AI in finance: core concepts, role in modern finance, benefits and challenges associated with AI adoption
- Data-Driven Financial Decisions: Importance of Financial Data, Data Analysis, and the use of AI to inform decisions
- AI Technologies: Machine Learning, predictive analytics, generative AI, and other technologies transforming finance

Data-Driven Financial Decisions

- Financial Data: Sources and Types of Data, Quality, Preparation, and Data-Driven Financial Processes
- Financial Analysis and Insights: Financial analysis, identifying patterns and trends, and generating actionable insights
- AI-Assisted Strategic Decision-Making: Decision support, predictive analytics, and applying AI insights to financial strategy

[Day 1 – Afternoon]

Improving Credit and Lending with AI

- AI-Assisted Credit Scoring: Creditworthiness Assessment, Alternative Data, and Predictive Models for Credit Risk
- Loan automation: financing applications, automated processing of documents and data, and accelerated decision-making
- Credit personalization: personalized loan offers, customer segmentation, and improved customer experience

Detecting Financial Fraud with AI

- Overview of Financial Fraud: Main Types of Fraud, Risks, Detection Challenges, and Traditional Approaches
- AI and Machine Learning for Fraud Detection: Machine Learning, Anomaly Detection anomalies, pattern recognition, and real-time monitoring
- The Future of Fraud Detection: New AI Capabilities, Adaptive Detection, Challenges, and Opportunities

[Day 2 - Morning]

Stock Market Forecasting Using AI

- Stock Market Analysis: Financial Market Fundamentals, Market Data, and Traditional Forecasting Methods
- AI Technologies Applied to Stock Market Forecasting: Machine Learning, Predictive Modeling, market analysis, and trend forecasting
- Challenges and prospects: market volatility, limitations of data and models, future applications of AI

Blockchain and AI: Transforming Finance

- Blockchain in Finance: Fundamental Principles, Financial Applications, Transparency, and Security
- Synergies Between AI and Blockchain: Combining Technologies, Automation, Data Integrity, and Innovation in Financial Processes

- Outlook and Ethical Considerations: Future Applications, Governance, Ethics, Risks, and Responsible Implementation

[Day 2 - Afternoon]

Emerging Technologies and Their Impact on Finance

- FinTech Ecosystem: The Evolution of FinTech, Digital Financial Services, and Financial Innovation Driven by AI
- Next-Generation Technologies: Emerging AI, Automation, Digital Platforms, and other technologies influencing finance
- Integration into Financial Services: Technology Adoption, Integration Challenges, Impact on Business Operations, and Opportunities for Innovation

Implementation of AI Strategies in Finance

- Digital-First Financial Strategy: Developing an AI Strategy, Identifying Opportunities, and Digital Transformation
- Operational Deployment: Implementation Approaches, Integration of AI into , change management, and adoption
- The Future of Financial Services: Trends, AI-Driven Business Models, Strategic Preparedness, and Resilience

Target Audience

This training is intended for both individuals and companies—large and small—seeking to train their teams in new, advanced IT technologies or to acquire specific industry knowledge or modern methodologies.

Assessment at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency with various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth operation of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor, supported by examples and

reflection sessions and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.